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(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2001/0043200 A1**
Sandbach (43) **Pub. Date: Nov. 22, 2001**(54) **MULTIPLEXING DETECTOR
CONSTRUCTED FROM FABRIC**(75) Inventor: **David L. Sandbach**, London (GB)Correspondence Address:
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(57) **ABSTRACT**

A position detector is constructed from fabric and has electrically conductive elements. The detector is configured to produce electrical outputs in response to mechanical interactions, and is divided into several regions. Each of the regions includes a first conducting plane and a second conducting plane configured such that, in use, a mechanical interaction results in conducting planes of at least one of said regions being brought closer together. A potential is applied across at least one of said planes to determine the position of said mechanical interaction.

